

## PROJECT 10073 RECORD

1. DATE - TIME GROUP 7 Dec 66 8/0515Z	2. LOCATION Denver, Colorado      three witnesses
3. SOURCE Civilian	10. CONCLUSION Astro(Sirius) <i>Very prob. / Jst</i> At the time of the sighting Sirius was on an azimuth of 123 degrees and at an elevation of 14 degrees.
4. NUMBER OF OBJECTS One	11. BRIEF SUMMARY AND ANALYSIS  Observers watched a star like object larger than a star perform erratic movements in the eastern part of the sky. The objects size and brightness was amazing, for if another star was the size of a pin tip, this object would be the size of the pin head. It was about five to 10 times brighter than a regular star. Object could have been a star, but the observer said that he did not think it was a star.
5. LENGTH OF OBSERVATION 2 hours	
6. TYPE OF OBSERVATION Ground Visual Tx	
7. COURSE ERRatic movements	
8. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	The description is consistent with that of an astronomical observation. Sirius would have been fairly low on the horizon and would have been the brightest astronomical body in the sky.
9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

FORM  
GPO 1964 O-329 (TDE) Previous editions of this form may be used.

Denver, Colorado 7 Dec 66

*Recd.*

7 Dec 66

Proposed reply to letter from [REDACTED] 30 December 1966

Dear [REDACTED]

Reference your letter of 30 December 1966 regarding your observation of an alleged flying object over the Denver area. A study of the information which you submitted for your 7 December 1966 observation was undertaken and revealed that you probably observed the star, Sirius. The description, size, brightness, movements, etc are very consistent with that of an observation of that particular star. Sirius, with a stellar magnitude of approximately -1.5, is the brightest star visible in the heavens.

When stars are viewed low on the horizon the observer is looking through many more miles of the earth's atmosphere than when looking at stars overhead. The earth's atmosphere actually acts as a prism, which in effect causes the incoming rays of light to be broken down into the various colors of the spectrum. In technical terms this phenomena is called scintillation. The closer the stars are to the horizon, the more they scintillate, simply as mentioned above, because we are then looking through a thicker layer of air. The most beautiful scintillation of all is that of the bright star, Sirius, which is visible in the winter months rather low in the sky. Planets scintillate for less than stars.

From the information submitted it does appear that Sirius was observed. The Air Force has received several reports during the months of November and December describing similar observations such as yours.

*I Safire 20 Feb 67*

In all occasions, we feel that Sirius was observed.

Thank you for reporting your observation to the Air Force.

Carol being  
Xenoid

Dec. 30/1966

[REDACTED]  
Denver, Colo.

80220

Project Blue Book Info. Office

Safai

Washington, D.C. 20330

Dear Sirs:

I have written a report which may be  
an Unidentified Flying Object, I would  
like to know your opinions about my  
report. I am twelve years old.

Yours truly,

[REDACTED]  
Denver, Colo. 80220

Dec. 30, 1966

10:21 P.M.

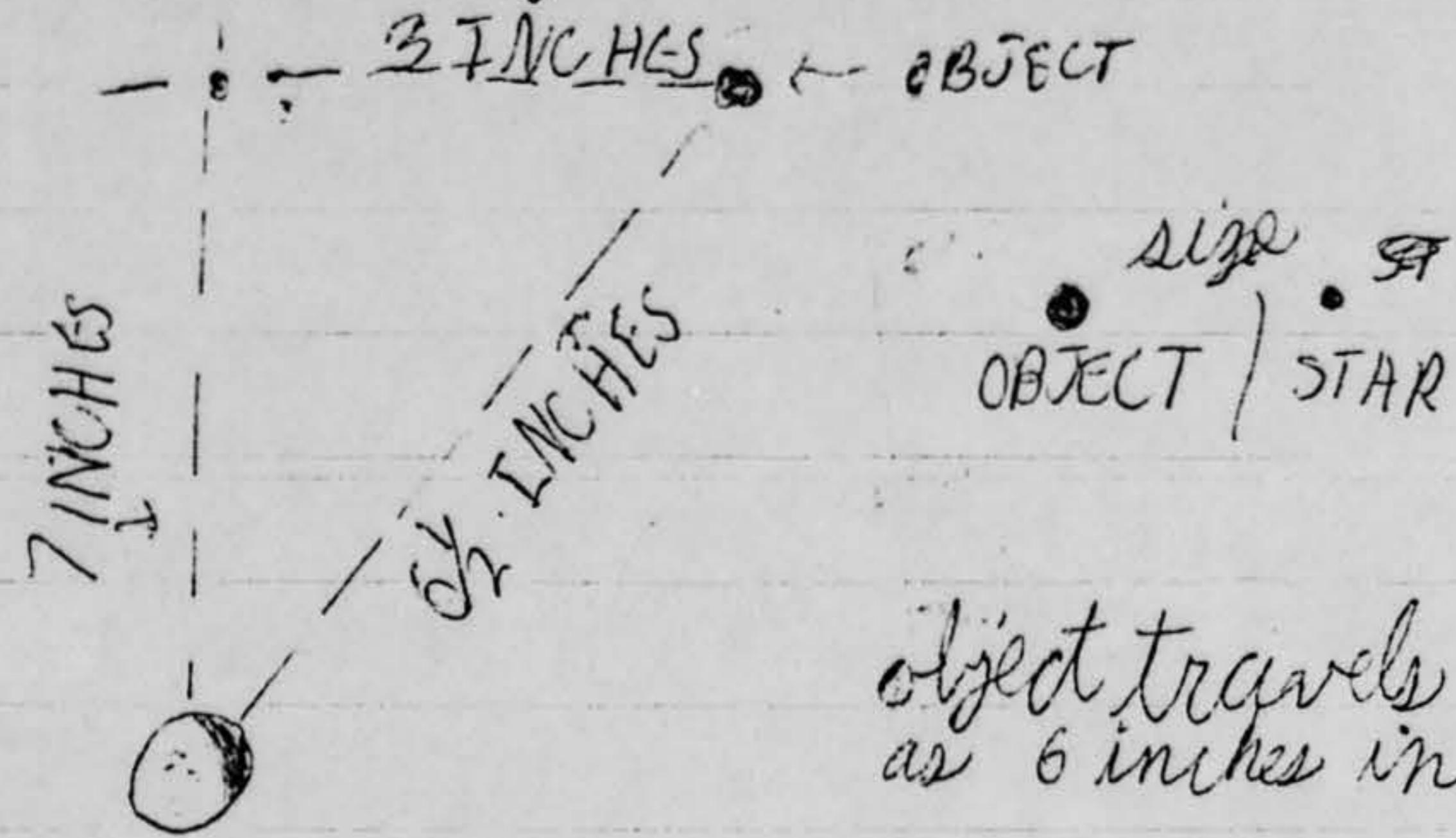
Have seen "star" again. Am convinced it is manned or unmanned artificial satellite object, or air- or spacecraft. Has been viewed by my mother and myself many times, and always we agreed on its wobbling movements (attached paper.)

# No. 1: up and down movement, back to original place; #2: somewhat same as #one, but indirect move to orig. place; #3: over few inches, then back again; #4: jerky movement, over, and swiftly back to orig. place.

Have thought of flying saucers, intelligent life from other planets, science fiction, etc., but always after seeing object move. Date of first sighting: Dec. 7, from ~~10:15~~ pm to 12:05 am. Mother and father saw it with me, both saw it move, we all three went outside to look at it. I compared it with other stars in sky, especially stars of Big Dipper. Here are actual facts of first sighting:

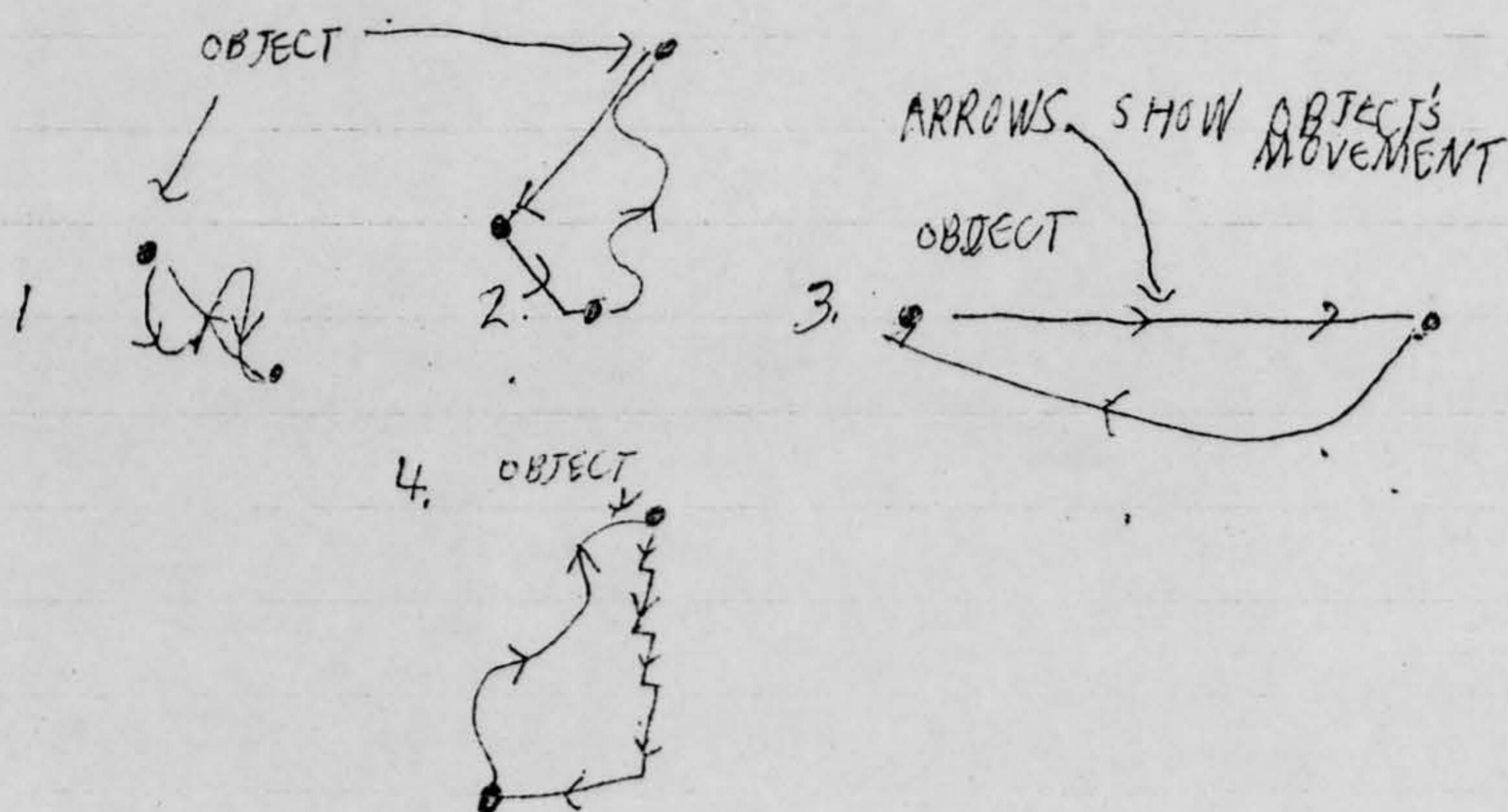


It is about 7 inches above moon, and  
3 inches to right (measured on window).



object travels as much  
as 6 inches in one time

dark part of moon not seen



7 DECEMBER

SAF-OICC/Mrs Cassel/bp/79079/15 Mar 67

MAR 15 1967

Dear Mr. [REDACTED]:

Reference your letter regarding your December 7 observation of an alleged flying object over the Denver area. A study of the information which you submitted was undertaken and revealed that you probably observed the star, Sirius. The description, size, brightness, movements, etc., are very consistent with an observation of that particular star. Sirius, with a stellar magnitude of approximately -1.5, is the brightest star visible in the heavens.

When stars are viewed low on the horizon the observer is looking through many more miles of the earth's atmosphere than when looking at stars overhead. The earth's atmosphere actually acts as a prism, which in effect causes the incoming rays of light to be broken down into the various colors of the spectrum. This phenomenon is called refraction. Another phenomenon, relating to variations in light intensity, is known as scintillation (twinkle). The closer the stars are to the horizon the more they scintillate because we are then looking through a thicker layer of air. The bright star, Sirius, which is visible in the winter months rather low in the sky scintillates, and the light rays from this star undergo rather marked refraction. Planets twinkle far less than stars.

From the information submitted it does appear that Sirius was observed. The Air Force received several reports during November and December describing similar observations. In each reported case we feel Sirius was observed.

Thank you for reporting your sighting to the Air Force.

Sincerely,

GEORGE P. FREEMAN, JR.  
Lt Colonel, USAF  
Chief, Civil Branch  
Community Relations Division  
Office of Information

Mr. [REDACTED]

[REDACTED] Denver, Colorado 80220

COORDINATED By (Office Symbol, Name, Grade, Date)

SAFOI- CC  
4/8

SAFOI- C

Guard cy - SAF-OIC  
Combk cy - SAF-OIC  
Reader cy - SAF-OIC  
Activity cy - SAF-OIC  
Stayback